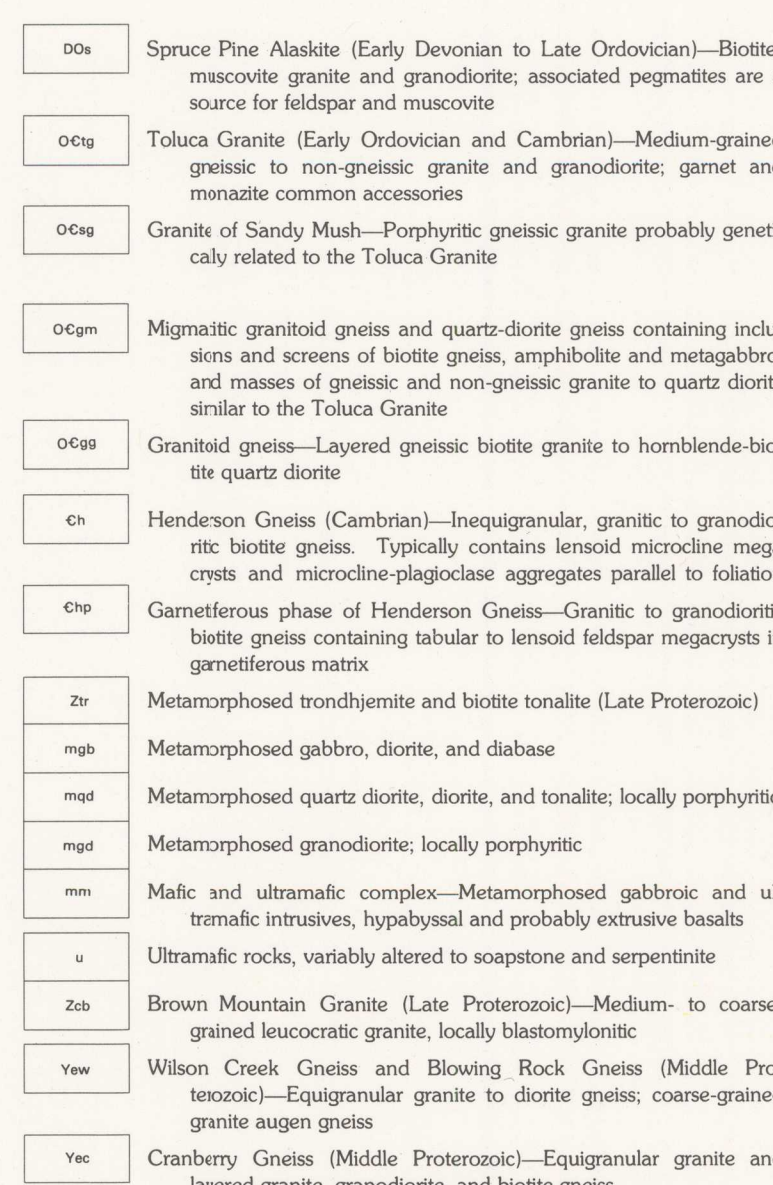


LITHOTECTONIC BELTS









Orange	Triassic-age rocks
Purple	Carolina slate belt
Pink	Charlotte belt
Green	Kings Mountain belt
Light blue	Inner Piedmont belt
Dark blue	Blue Ridge belt



Zn1	Blacksburg Formation (Late Proterozoic)—Sericite phyllite or schist and subordinate beds of marble, micaceous quartzite, and amphibolite
Zn	Battleground Formation (Late Proterozoic)—Quartz-sericite schist and phyllite, and subordinate beds of quartz-pebble conglomerate, quartzite, kyanite or sillimanite quartzite, and manganese

Intrusive and altered rocks	
	Diorite (Jurastrat and Tesastr?)
	Silicified breccia zones
	Churchard Plutonic Suite (Permian and Pennsylvanian) – Predominantly porphyritic granite containing microcline phenocrysts
	High Shoals Granite (Pennsylvanian) – Porphyritic granite, some associated pegmatites contain spodumene
	Salisbury Plutonic Suite (Devonian and Silurian) – Leucocratic granite
	Concord Plutonic Suite (Devonian and Silurian) – Gabbro, norite, gabbro-norite, and hornblende gabbro
	Syenite of Concord Plutonic Suite
	Alaskitic granite, fine-grained
	Granodiorite, norite – weakly foliated
	Gneiss: metagranite–medium to coarse-grained granitic biotite

EXPLANATION OF MAP SYMBOLS

	Contact
	High-angle fault, dashed where inferred
	Reverse fault, teeth on upthrown plate, dashed where inferred
	Reverse fault, overturned
	Thrust fault, teeth on overriding plate, dashed where inferred
	Anticline or antiform, showing direction of plunge
	Syncline or synform, showing direction of plunge
	Overturned anticline, or antiform, showing direction of dip of limb
	Overturned syncline or synform, showing direction of dip of limb

